

**BEUSSE BROWNLEE WOLTER MORA & MAIRE, P.A.**

JAMES H. BEUSSE  
JACKSON O. BROWNLEE  
JOHN L. DEANGELIS, JR.  
DAVID G. MAIRE  
CHRISTINE Q. MCLEOD  
ENRIQUE J. MORA  
NORMAN A. NIXON  
TERRY M. SANKS  
W. DAVID SARTON  
TIMOTHY H. VAN DYKE  
ROBERT L. WOLTER

390 N. ORANGE AVENUE, SUITE 2500  
ORLANDO, FLORIDA 32801  
TELEPHONE (407) 926-7700  
FACSIMILE (407) 926-7720  
WWW.IPLAWFL.COM

OF COUNSEL  
ENRIQUE J. MORA

WRITER'S DIRECT DIAL/EMAIL  
(407) 926-7705  
cmora@iplawfl.com

TO : Commissioner for Patents  
COMPANY : USPTO  
FAX No. : 1-703-872-9306  
No of PAGES : 18 (including cover sheet)  
FROM : Enrique J. Mora  
DATE : June 3, 2005  
RE : Serial Number 10/063,601  
ATTY. DOCKET NO: 121891-1 (352)

RECEIVED  
CENTRAL FAX CENTER

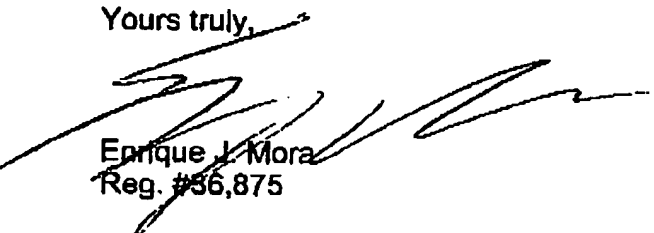
JUN 03 2005

**VIA FACSIMILE ONLY**

Attached please find for entry into the above-referenced application:

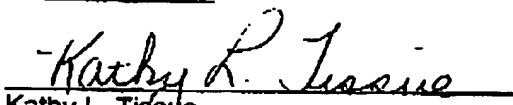
1. Transmittal Form; and
2. Amendment After Final (16 pages) – Responsive to the Office Action dated March 30, 2005.

Yours truly,

  
Enrique J. Mora  
Reg. #36,875

**Certificate of Transmission**

I hereby certify that this correspondence is being  
facsimile transmitted to the United States Patent and  
Trademark Office, Fax No. 703-872-9306  
on June 3, 2005.

  
Kathy L. Tissue

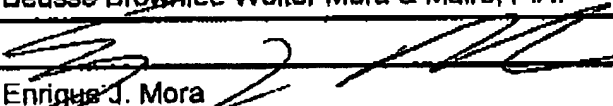
PTO/SB/21 (09-04)

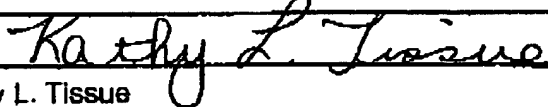
Approved for use through 07/31/2008 OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person will be required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  <small>(to be used for all correspondence after initial filing)</small>	Application Number	10/063,601
	Filing Date	05/03/2002
	First Named Inventor	Nicholas E. Roddy
	Art Unit	2113
	Examiner Name	Guyton, Philip A.
Total Number of Pages in This Submission	Attorney Docket Number	121891-1 (352)

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply (w/Attachment) <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/Declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks _____		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	Beusse Browlee Wolter Mora & Maire, P.A.	
Signature		
Printed name	Enrique J. Mora	
Date	June 3, 2005	Reg. No. 36,875

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:		
Signature		
Typed or printed name	Kathy L. Tissue	Date June 3, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2

Certificate of Transmission

I hereby certify that this correspondence is being  
facsimile transmitted to the United States Patent and  
Trademark Office, Fax No. 703-872-9306  
on June 3, 2005.

RECEIVED  
CENTRAL FAX CENTER

JUN 03 2005

  
Kathy L. Tissue

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of:	)	
	)	
Applicants: Nicholas E. Roddy, <i>et al.</i>	)	Examiner: Guyton, Philip A.
	)	
Serial No.: 10/063,601	)	Group Art Unit: 2113
	)	
Filed: 05/03/2002	)	Confirmation No.: 9698
	)	
Title: Method And System For	)	
Analyzing Fault And Quantized	)	
Operational Data For Automated	)	
Diagnostics Of Locomotives	)	

Mail Stop After Final  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT AFTER FINAL

This amendment after final is in response to the Final Office Action dated  
as mailed March 30, 2005 and having a response due date of June 30, 2005.

Please amend the above-identified application as follows:

**Amendments to Claims** are reflected in the listing of claims which begins  
on page 2 of this paper.

**Remarks/Arguments** begin on page 14 of this paper.